

LISTING OF CLAIMS

IN THE CLAIMS

This listing of the claims is presented without amendments for the convenience of the Examiner.

1. (Previously Presented) An actuator unit comprising:

- a tube spring;
- a piezoelectric actuator, that is inserted into the tube spring,
- a first cap, that is connected to the tube spring at a first free end of the tube spring and which is adjoined by the piezoelectric actuator,
- a tube-shaped body, that is connected to the tube spring by joining and is arranged in the area of a second free end of the tube spring, and
- a means for pretensioning the piezoelectric actuator after the tube spring is connected to the first cap and the tube-shaped body, the means for pretensioning being supported by the tube-shaped body and pretensions the piezoelectric actuator by physically compressing the piezoelectric actuator but not the tube spring.

2. (Previously Presented) An actuator unit according to claim 1, comprising a body, that comprises a disc-shaped part, which is inserted into the tube spring between the piezoelectric actuator and the tube-shaped body and which is influenced by the means for pretensioning.

3. (Previously Presented) An actuator unit according to claim 2, wherein the body is a bolt-shaped body.

4. (Previously Presented) An actuator unit according to claim 1, comprising a thread in the tube-shaped body, and wherein the pretensioning means is a screw that is screwed into the thread.

5. (Previously Presented) An actuator unit according to claim 3, wherein the bolt-shaped body is spherically shaped on its shaft side.

6. (Previously Presented) An actuator unit according to claim 1, wherein the tube-shaped body has a jump in its diameter on its outer circumference.

7. (Previously Presented) An actuator unit according to claim 1, wherein the tube-shaped body is joined to the tube spring by welding.

8. (Withdrawn) A method for manufacturing an actuator unit, comprising the steps of

- joining a first cap with a tube spring on a first free end of the tube spring,
- inserting a piezoelectric actuator into the tube spring,
- arranging a tube-shaped body in the area of a second free end of the tube spring and connecting the tube spring by joining and
- inserting a pretensioning means, that is supported by the tube-shaped body and pretensions a piezoelectric actuator.

9. (Withdrawn) A method in accordance with claim 8, wherein after inserting the piezoelectric actuator into the tube spring a body is inserted, that comprises a disc-shaped part, into the tube spring from the side of the second free end.

10. (Previously Presented) An actuator unit comprising:

- a tube spring comprising a piezoelectric actuator,

- a first cap connected to the tube spring at a first free end of the tube spring,

- a tube-shaped body, that is connected to the tube spring and arranged in the area of a second free end of the tube spring, and

- a piezoelectric actuator pretensioning device supported by the tube-shaped body, the piezoelectric actuator pretensioning device configured to pretension the piezoelectric actuator, after the tube spring is connected to the first cap and the tube-shaped body, by physically compressing the piezoelectric actuator but not the tube spring.

11. (Previously Presented) An actuator unit according to claim 10, comprising a body, that comprises a disc-shaped part, which is inserted into the tube spring between the piezoelectric actuator and the tube-shaped body and which is influenced by the piezoelectric actuator pretensioning device.

12. (Previously Presented) An actuator unit according to claim 11, wherein the body is a bolt-shaped body.

13. (Previously Presented) An actuator unit according to claim 10, comprising a thread in the tube-shaped body, and wherein the piezoelectric actuator pretensioning device is a screw that is screwed into the thread.

14. (Previously Presented) An actuator unit according to claim 12, wherein the bolt-shaped body is spherically shaped on its shaft side.

15. (Previously Presented) An actuator unit according to claim 10, wherein the tube-shaped body has a jump in its diameter on its outer circumference.

16. (Previously Presented) An actuator unit according to claim 10, wherein the tube-shaped body is joined to the tube spring by welding.